RAW SEQUENCE LISTING DATE: 12/21/2001 PATENT APPLICATION: US/09/744,226A TIME: 13:10:09

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        NAGASE, Takahiro
                                                              ENTERED
         NOMURA, Nobuo
 5
 6
        HINUMA, Shuji
 7
         FUJII, Ryo
        KITAHARA, Osamu
        MOGI, Shinichi
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16 <141> CURRENT FILING DATE: 2001-01-22
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,226A

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87	O 1	-1-		245		·		010	250					255	-1-
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95 Leu	A an		Tla	Πh r	Trn.	17 - 1		Tlo	LOU	LOU	Cor		Val	Cvc	LOU
	290	Val	ire	1111	пр	295	СТУ	TTE	ьеu	ьец	300	ьец	vaı	Суз	Leu
96		C	т1.	Dho	ωb~		Crra	Dho	Dho	7 ~~		T 011	C1n	Cor	λan
98 Leu		Cys	rre	Pne		Pne	Cys	Pne	Pne	315	СТА	ьeu	GIII	ser	320
99 305		. ml			310		T		- Tl-			Dh.	17a 1	7.7.	
101 Ar	g Ası	n Thr	. тте			Asn	. ьеи	Cys			. ren	Pne	vaı		
102	_	1	_	325		- 1	_	_	330		a 1		-1.	335	
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105	_		340		_	_	•	345			_	_ •	350		
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140 Le	n Glr			Val	Δra	T.vc			Glv	Lve	Cve			Thr	His
140 Le	530	_	. Lys	· +u1	9	535		y-	Сту	Lys	540		9		
141 143 Cy								C - ~		т1.			C1.	.	шhъ
147 C Y	G ('776			1.370	50,	ייד בוויוי	12111			1 1 4				1,770	
144 54		s ser	GIY	гуs	550		GIU	ser	Ser	555		ser	GTÄ	ьys	560

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		C1.	Tou	т10	III o		C1.11	Cor	A an	ת 1 ת	. — -	T 011	TOU	Dro	Pro			
177	ьeu	GIU	ьeu	116	725	GIU	Giu	ser	ASP	730	PIO	Leu	ьеи	PIO	735	AIG		
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350 Met Pro Thr Glu Asn Ile Val Leu Clu 230 Val 230 Val 235 Val Leu Ser 11e 240 353 Gly Gly Ile Gln Asp Phe Lys Phe Pro Leu Gly Ile Lys Gly Asp Asp Asp Phe Pro Leu Gly Ile Gly Asp Asp Asp Asp Phe Lys Ile Gly Ile Asp Asp Asp Asp Phe Ile	347	Gly	Ala	Phe	Val	Leu	Ala	Asp	Asn	Leu	Leu	Glu	Pro	Thr	Arg	Val	Ser
351 225 Sereta in the control of th	348		210					215					220				
353 Gly Gly Gly Gly Flee Lys Phe Lys Leu Gly Lys Gly Ala Gly Gly Lys Gly Asn Gly Asn Flee Ala Asn Thr Val Lys Gly Asn Ser Asn Asn Asn Asn Thr Val Lys Lys Leu Asn Asn </td <td>350</td> <td>Met</td> <td>Pro</td> <td>Thr</td> <td>Glu</td> <td>Asn</td> <td>Ile</td> <td>Val</td> <td>Leu</td> <td>Glu</td> <td>Val</td> <td>Ala</td> <td>Val</td> <td>Leu</td> <td>Ser</td> <td>Thr</td> <td>Glu</td>	350	Met	Pro	Thr	Glu	Asn	Ile	Val	Leu	Glu	Val	Ala	Val	Leu	Ser	Thr	Glu
354 Ser Ser 11e gln 24s Leu Ser Ala Asn Thr 26s Val Lys Gln Asn Ser Asn Asn 357 Ser 12e gln 12e g	351	225					230					235					240
356 Ser Ser Ile Gln Leu Ser Ala Asn Thr Val Lys Gln Asn Asn Asn 265	353	Gly	Gln	Ile	Gln	Asp	Phe	Lys	Phe	Pro	Leu	Gly	Ile	Lys	Gly	Ala	Gly
357 Leu Ala Lys Leu Val Phe Ile Ile Tyr Arg Ser Leu Gly Gln Phe 360 Leu Ser Thr Glu Ass Val Phe 1le Lys Leu Gly Ala Asp Phe Ile 1le Lys Leu Gly Ala Asp Phe Ile Ala Asp Ala Asp Phe Ile Gly Asp Asp Asp Asp Ile Asp Asp Ile Ile Ile Ile Ile Ile Ile I	354					245					250					255	
359 Gly Leu Ala Lys Leu Val Phe Ile Ile Tyr Arg Ser Leu Gly Gly Gly Gly Ala Phe Ile Ala Ala Ile Lys Leu Gly Ala Asp Phe Ile Gly Ala Asp Ile Asp Ile Ala Asp Ile Asp <td>356</td> <td>Ser</td> <td>Ser</td> <td>Ile</td> <td>Gln</td> <td>Leu</td> <td>Ser</td> <td>Ala</td> <td>Asn</td> <td>Thr</td> <td>Val</td> <td>Lys</td> <td>Gln</td> <td>Asn</td> <td>Ser</td> <td>Arg</td> <td>Asn</td>	356	Ser	Ser	Ile	Gln	Leu	Ser	Ala	Asn	Thr	Val	Lys	Gln	Asn	Ser	Arg	Asn
360 Leu Ser Thr Glu Asn Ala Thr Ile Lys Leu Gly Ala Asp Phe Ile Gly 363 Leu Ser Thr Glu Asn Ala Thr Ile Lys Leu Gly Ala Asp Phe Ile Gly 365 Arg Asn Ser Thr Ile Ala Val Ile Asn Ser Ile Asn Ser Ile Asn I	357				260					265					270		
362 Leu Ser Thr Glu Asn Ala Thr Ile Lys Leu Gly Ala Asp Phe Ile Gly 363 Arg Asn Ser Thr Ile Ala Val Asn Ser His Val Ile Ser Ile 366 305	359	Gly	Leu	Ala	Lys	Leu	Val	Phe	Ile	Ile	Tyr	Arg	Ser	Leu	Gly	Gln	Phe
363 290																	
365 Arg Asn Ser Thr Ile Ala Val Asn Ser His Val Ile Ser Ile 320 368 Asn Lys Glu Ser Ser Arg Val Tyr Leu Thr Asp Pro Val Leu Phe Thr Asp Pro Asp Tyr Phe Asn Ala Asn Cys Ser Phe Asp Asp Tyr Phe Asn Ala Asp Cys Ser Phe Asp Asp Met Met Gly Tyr Tyr Ser Thr Gly Ser Thr Gly Ser Thr Gly Ser Thr Gly Tyr T	362	Leu	Ser	Thr	Glu	Asn	Ala	Thr	Ile	Lys	Leu	Gly	Ala	Asp	Phe	Ile	Gly
366 305	-																
368 Asn Lys Glu Ser Ser Arg Val Tyr Leu Thr Asp Pro Val Leu Pho 330 Fro Val Leu Pho 335 Fro 335 Fro 336 Fro Asn Asn Tyr Pho Asn Ala Asn Cys Ser Pho Asn 345 Fro Asn Asn Tyr Pho Asn Asn Asn Asn Met Gly Tyr Tyr Ser Thr Gly Gly Asn Fro Asn Asn Lys Fro Asn Asn Lys Asn A	365	Arg	Asn	Ser	Thr	Ile	Ala	Val	Asn	Ser	His	Val	Ile	Ser	Val	Ser	Ile
369 371 Leu Pro His Ile Asp Pro Asp Asp Tyr Phe Asp Asp																	
371 Leu Pro His Ile Asp Pro Asp Asp Tyr Phe Asn Ala Asn Cys Ser Phe 372 Trp Asn Tyr Ser Glu Arg Thr Met Met Gly Tyr Tyr Ser Thr Glu Gly Fyr Tyr Tyr Tyr Tyr Tyr Tyr Arg Thr Cys Ala Cys Ser 377 Cys Lys Leu Val Asp Thr Asp Lys Thr Arg T		Asn	Lys	Glu	Ser	Ser	Arg	Val	Tyr	Leu		Asp	Pro	Val	Leu	Phe	Thr
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374 Trp Asn Tyr Ser Glu Arg Thr Met Met Gly Tyr Trp Ser Thr Gly Gly Tyr Thr Ser Thr Asn Lys Thr Arg Thr Arg Thr Thr Cys Ala Cys Ser 378 Tyr Tyr Asn Phe Ala Ile Leu Met Ala His Arg Glu Ile Ala Tyr 381 Ass Ass Gly Val His Glu Leu Leu Thr Val Ile Tyr Val Tyr Val Gly Ala Tyr Ala Ala Ala Ile Leu His Ala His Ala Ile Ala Ile His Ala Ile Ala Ile I	371	Leu	Pro	His	Ile	Asp	Pro	Asp	Asn	Tyr	Phe	Asn	Ala	Asn	Cys	Ser	Phe
375																	
377 Cys Lys Leu Val Asp Thr Asp Lys Thr Arg Thr Thr Cys Ala Cys Ser 378 370 10 <	374	Trp	Asn	Tyr	Ser	Glu	Arg	Thr	Met	Met	Gly	Tyr	Trp	Ser	Thr	Gln	Gly
378	375			355					360					365			
380 His Leu Thr Asn Phe Ala Ile Leu Met Ala His Arg Glu Ile Ala Tyr 381 385 - 390 - 395 - 400 383 Lys Asp Gly Val His Glu Leu Leu Leu Thr Val Ile Thr Trp Val Gly 384 - 405 - 415 - 415 - 415	377	Cys	Lys	Leu	Val	Asp	Thr	Asn	Lys	Thr	Arg	Thr	Thr	Cys	Ala	Cys	Ser
381 385 390 395 400 383 Lys Asp Gly Val His Glu Leu Leu Leu Thr Val Ile Thr Trp Val Gly 384 405 410 410 415	378		370					375			•		380				
383 Lys Asp Gly Val His Glu Leu Leu Leu Thr Val Ile Thr Trp Val Gly 384 405 410 415	380	His	Leu	Thr	Asn	Phe	Ala	Ile	Leu	Met	Ala	His	Arg	Glu	Ile	Ala	Tyr
384 405 410 415	381	385					390					395					400
	383	Lys	Asp	Gly	Val	His	Glu	Leu	Leu	Leu	Thr	Val	Ile	Thr	Trp	Val	Gly
386 Ile Val Ile Ser Leu Val Cys Leu Ala Ile Cys Ile Phe Thr Phe Cys	384					405					410					415	
	386	Ile	Val	Ile	Ser	Leu	Val	Cys	Leu	Ala	Ile	Cys	Ile	Phe	Thr	Phe	Cys

VERIFICATION SUMMARY

DATE: 12/21/2001

PATENT APPLICATION: US/09/744,226A

TIME: 13:10:10

Input Set : A:\2534seq.txt

Output Set: N:\CRF3\12212001\1744226A.raw